



Elke Roediger, Lecturer

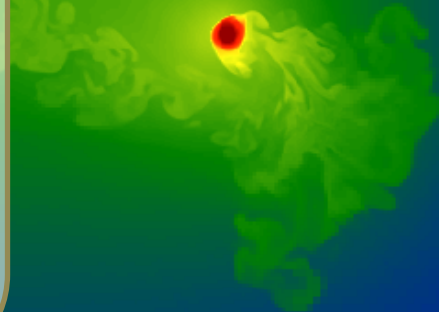
E.A. Milne Centre for Astrophysics,
University of Hull, UK,

e.roediger@hull.ac.uk

Talk Title: ICM flow patterns associated with ram pressure stripping - or lessons from non-quasi-steady-state stripping

Scientific Focus and Methods:

- Simulate objects (galaxies, sub-clusters) falling into galaxy clusters → ram pressure stripping, gas sloshing, mixing, star formation enhancement, ...
- Compare with observations to figure out dynamic history and ICM physics

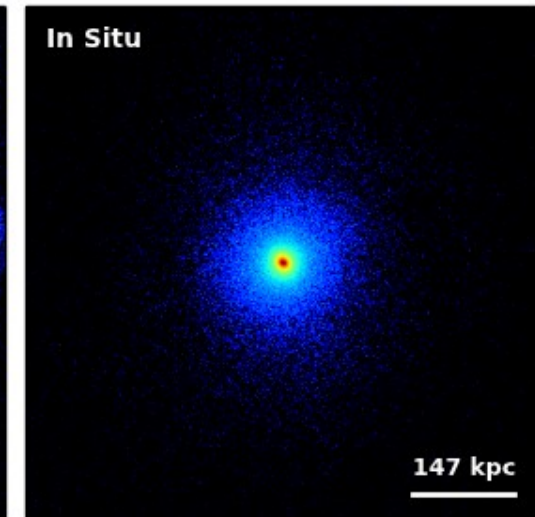
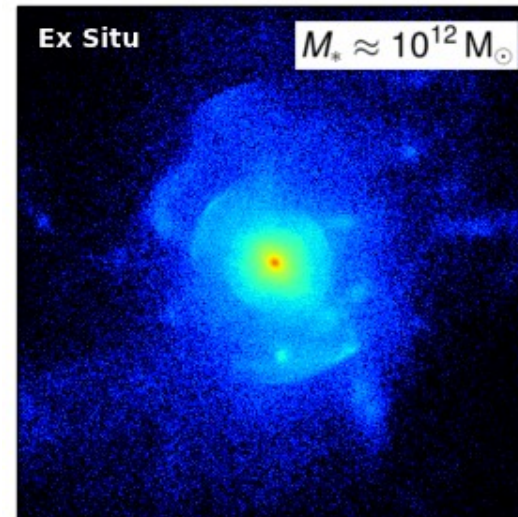
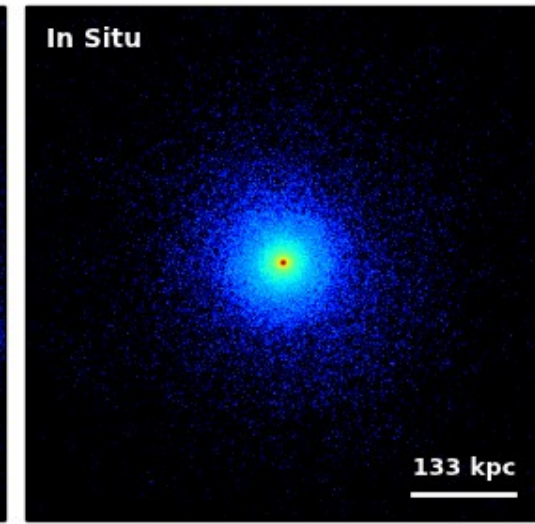
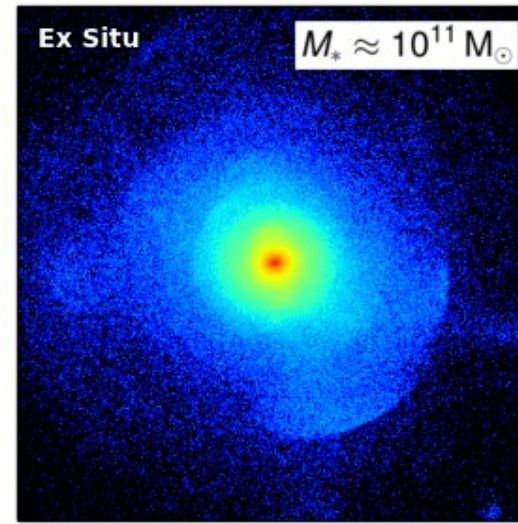


Vicente Rodriguez-Gomez

Postdoc, Johns Hopkins University
vrg@jhu.edu



- **Talk title:**
Galaxy mergers in different environments
- **Scientific focus:**
Merger rates, *ex situ* stellar mass fractions, galaxy morphologies
- **Methods:**
Cosmological hydrodynamic simulations, merger trees





Marina Rejkuba

ESO

Talk Title:

Observations of extended low surface brightness halos around massive galaxies in the nearby universe



Marc Postman, Astronomer

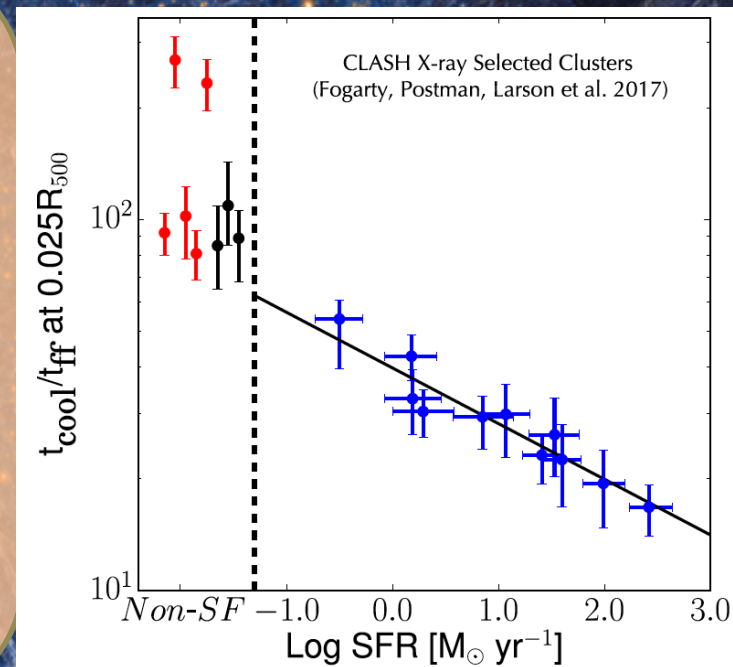
Space Telescope Science Institute (STScI)

postman@stsci.edu

Talk Title: BCGs & Their Relation to the Cluster Environment

Scientific Focus and Methods:

- Observational studies of
 - Galaxy Clusters
 - Brightest Cluster Galaxies (BCG)
- Evolution of Galaxy Cluster Properties
- Constraints on Cluster Dark Matter
- Relationship Between BCG SF & ICM



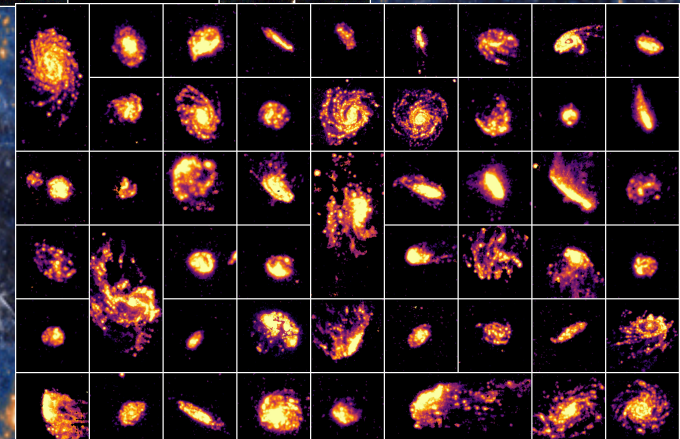
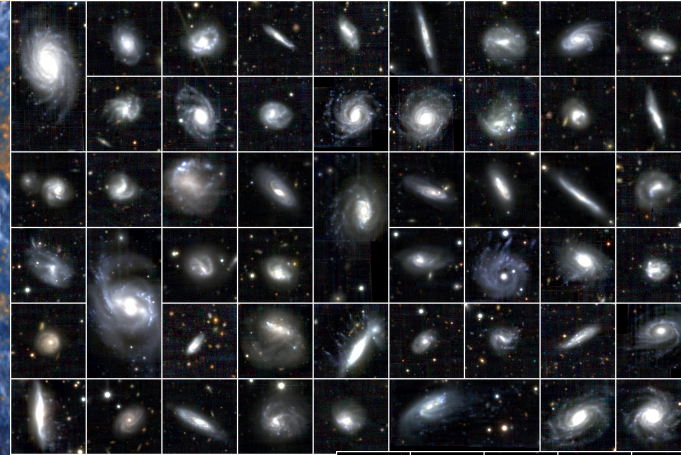


Bianca Poggianti, Staff
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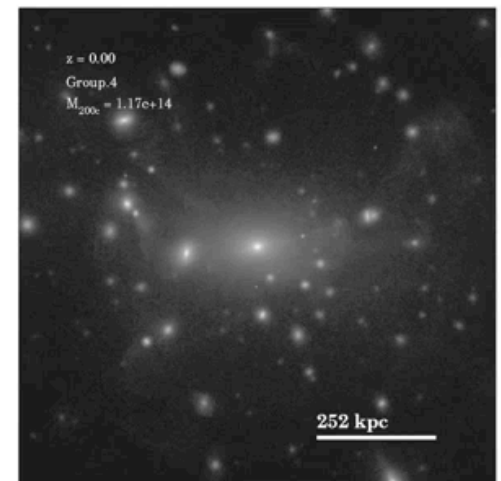
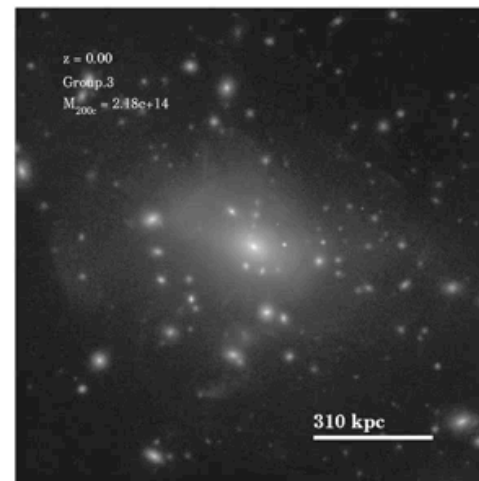
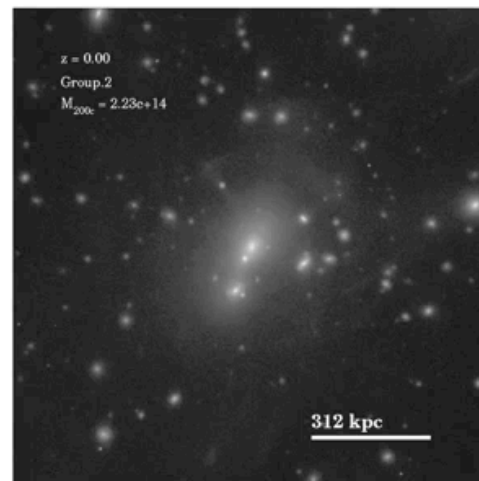
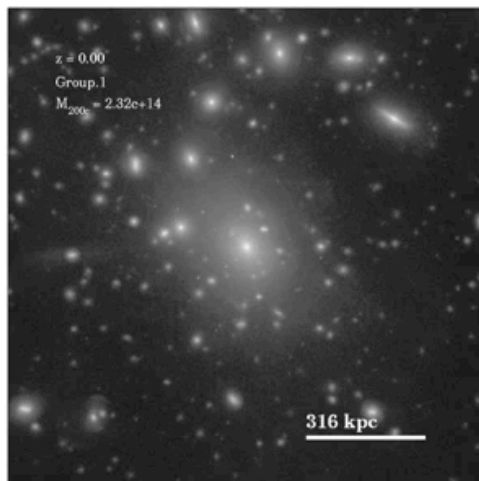
Talk title: **Gas stripping phenomena with MUSE integral field spectroscopy**

- Gas and galaxy evolution
- Star formation activity and history
- Formation and evolution of galaxies in clusters, groups, filaments and field
- Integral-field spectroscopy



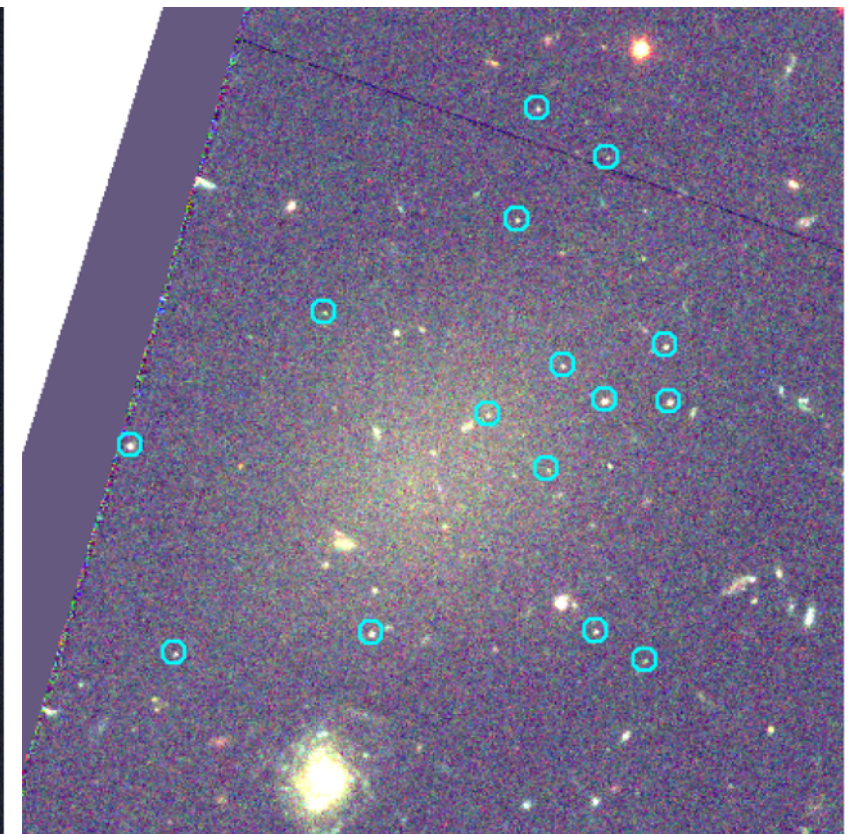
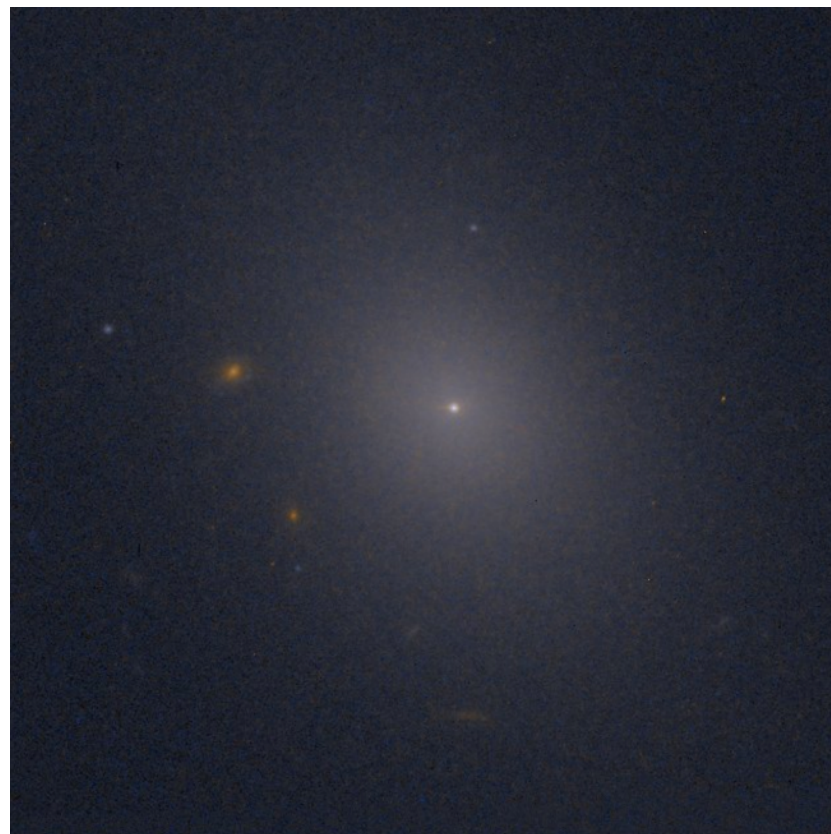


- Current Position: Independent Research Group Leader, MPIA Heidelberg
- Talk: “The stellar mass content of groups and clusters with the TNG simulations” (on Thursday)
- Current Scientific Focus/Methods:
 - Development of Large-scale gravity+MHD Simulations of Gravity: **IllustrisTNG (www.tng-project.org)**
 - Galaxy evolution, stellar haloes and intracluster light, cluster assembly and cluster cosmology, interaction DM-baryonic processes...



Eric Peng

- Associate Professor, Peking University
Department of Astronomy and the Kavli Institute for Astronomy and Astrophysics (KIAA)
- Interests:
 - Globular cluster systems: what do they tell us about their host galaxies?
 - Compact stellar systems (UCDs, GCs)
 - Galaxy dynamics, chemical abundances
 - Nearby galaxy groups and clusters (Virgo, Fornax, Coma et al.)
- Talk: “Globular clusters in low mass galaxies as probes of quenching”





Reynier Peletier, Professor

Kapteyn Institute, Groningen

peletier@astro.rug.nl

Talk Title:

The Fornax Deep Survey', a Modern study of Dwarf Galaxies in Fornax.

Scientific Interests:

- The Evolution of dwarf galaxies
- The Fornax Cluster (PI of FDS Survey)
- Stellar Population analysis
- Ultra Diffuse Galaxies
- Developing novel data-science methods for astronomy (PI of the SUNDIAL EU ITN)





Dylan Nelson

Postdoctoral Fellow (MPA)

dnelson@mpa-garching.mpg.de

talk: Review on [theoretical] models

Scientific focus and methods:

- Cosmological magneto-hydrodynamical sims.
- Gas accretion, circumgalactic medium (OVI, VII, VIII)
- Galactic feedback, baryon cycle, inflows & outflows
- Galaxy evolution: the color bimodality, quenching
- Illustris, IllustrisTNG, ...

**Josefina Michea,
PhD student**

Astronomisches Rechen-Institut,
Zentrum für Astronomie der Universität
Heidelberg (ZAH)



IMPRS fellow, DAAD scholarship holder

Supervisor: Dr. Thorsten Lisker

Talk title: “Searching for substructure in Fornax Deep Survey (FDS) dwarf galaxies”

Scientific interests: dwarf galaxies and their relation to environment

Brian McNamara

University of Waterloo in Ontario Canada, about an hour outside of Toronto

I study galaxies and clusters across the electromagnetic spectrum

I will discuss atmospheric gas cooling and feedback from supermassive black holes

My talks will focus on ALMA CO & X-ray observations of clusters and galaxies

I will conjecture that warm gas uplifted behind buoyant cavities governs radio-mode feedback

I work with an outstanding team of young researchers including, Helen Russell, Iurii Babyk, Mike Hogan, Adrian Vantyghem, Pratamesh Tamhane, and others.

I have collaborated closely with Paul Nulsen for 20 years.

ALMA image of molecular gas being lifted out of the central galaxy in Abell 1795 by radio jets – Russell + 17

